PHYSICAL REVIEW B

For editorial and subscription correspondence, please see inside front cover
(ISSN: 0163-1829)

PERIODICALS
Postmaster send address changes to:
American Institute of Physics
Suite 1NO1
2 Huntington Quadrangle
Melville, NY 11747-4502

THIRD SERIES, VOLUME 63, NUMBER 5 ***CONTENTS*** **1 FEBRUARY 2001-I**

Announcement: Electronic-First Publication and Article Numbers i

BRIEF REPORTS

Structure, structural phase transitions, mechanical properties, defects, etc.

Experimental method to detect phase transitions via the chemical potential *(3 pages)* 052101
M. Matlak, M. Pietruszka, and E. Rówiński

Resonant soft mode in Rochelle salt by inelastic neutron scattering *(4 pages)* 052102
J. Hlinka, J. Kulda, S. Kamba, and J. Petzelt

Hydrogen desorption mechanism in MgH_2-Nb nanocomposites *(4 pages)* 052103
J. F. Pelletier, J. Huot, M. Sutton, R. Schulz, A. R. Sandy, L. B. Lurio, and S. G. J. Mochrie

Inhomogeneous, disordered, and partially ordered systems

Pressure effects on irreversible and reversible contributions to the glass transition of $Pd_{39}Ni_{10}Cu_{30}P_{21}$ bulk metallic glass *(3 pages)* 052201
Li Min Wang, W. H. Wang, L. L. Sun, J. Zhang, and W. K. Wang

Observation of the interplay of microstructure and thermopower in the $Al_{71}Pd_{21}Mn_{8-x}Re_x$ quasicrystalline system *(4 pages)* 052202
A. L. Pope, R. Schneidmiller, J. W. Kolis, Terry M. Tritt, R. Gagnon, J. Strom-Olsen, and S. Legault

Epitactic textures of fcc Al on icosahedral Al-Pd-Mn quasicrystal *(4 pages)* 052203
B. Bolliger, V. E. Dmitrienko, M. Erbudak, R. Lüscher, H.-U. Nissen, and A. R. Kortan

Characteristics of the glass transition and supercooled liquid state of the $Zr_{41}Ti_{14}Cu_{12.5}Ni_{10}Be_{22.5}$ bulk metallic glass *(4 pages)* 052204
Wei Hua Wang, Li Long Li, M. X. Pan, and Ru Ju Wang

Conductivity of disordered solids: Resolution of discrepancies between micro- and macro-response models *(4 pages)* 052205
J. Ross Macdonald

Dynamics, dynamical systems, lattice effects, quantum solids, etc.

Phonon dispersion of indium along [111] *(3 pages)* 052301
A. S. Bakulin, A. W. Overhauser, H. Kaiser, S. A. Werner, J. A. Fernandez-Baca, and H. G. Smith

Magnetism

Strong exchange bias by a single layer of independent antiferromagnetic grains: The CoO/Co model system *(4 pages)* 052401
M. Gruyters and D. Riegel

Copyright 2001 by The American Physical Society

(Continued)

0163-1829(20010201)63:5;1-3